IN THE UNITED STATES DISTRICT COURT FOR DISTRICT OF DELAWARE

HONEYWELL INTERNATIONAL INC., and HONEYWELL INTELLECTUAL PROPERTIES INC.,

Civil Action No. 99-309-GMS

Plaintiffs,

v.

HAMILTON SUNDSTRAND CORP.,

Defendant.

EXHIBIT 7 HAMILTON SUNDSTRAND'S LIST OF EXHIBITS

Hamilton Sundstrand's list of exhibits follows on AO Form 187.

United States District Court

DISTRICT OF DELAWARE

Honeywell International Inc. and Honeywell Intellectual Properties Inc.

EXHIBIT AND WITNESS LIST

Case Number: 99-309-GMS

Hamilton Sundstrand Corporation

	-	G JUDGE . Sleet		:	PLAINTIFF'S ATTORNEY Thomas C. Grimm	DEFENDANT'S ATTORNEY Richard D. Kirk
1		TE(S) 24, 2006	•		COURT REPORTER Kevin Maurer	COURTROOM DEPUTY April Walker
PLF. NO.	DEF. NO.	DATE OFFERED	MARKED	ADMITTED	DESCRIPTION OF EXHII	BITS* AND WITNESSES
	DTX 0101				; Hamilton Standard L 1011 APU Student No ; SUND003237-SUND003387;	otes document
o.	DTX 0102				05/08/1969; Hamilton Standard Drawing No SUND002830; HWL Remand 003	. 738712 re: Housing Compressor;
	DTX 0103				05/20/1970; Hamilton Standard Drawing re: Remand 002	Power Unit, Auxiliary; SUND002835; HWL
	DTX 0104				05/30/1975; Hamilton Standard Memo re: L- Feasibility Study; SUND000268-SUND0002 ; HSC Remand 047	
	DTX 0105				08/15/1975; Hamilton Standard Manual Mas Volume 2 - System Description/Operation - SUND000667; HWL Remand 005	ster Key L1011 Tristar Auxiliary Power Unit Trouble Shooting; SUND000431-
	DTX 0106				08/15/1975; Hamilton Standard Manual Mas Volume 2 - System Description/Operation - SUND003968-SUND004192;	ster Key L1011 Tristar Auxiliary Power Unit Trouble Shooting with annotations;
	DTX 0107				08/26/1975; Hamilton Standard Memo re: L- Venturi Signal Probe Evaluation; SUND000	-1011 APU Surge Control 3.5:1 Boosted 304-SUND000323;
	DTX 0108				10/28/1975; Hamilton Standard Memo re: T Control Improvements; SUND000669-SUNI	ransmittal of Report on L-1011 APU Surge D000757; HWL Remand 004
	DTX 0109				10/18/1979; Hamilton Standard Report: Qua ST6C-421 for the L-1011 Tristar Aircraft Air SUND000776-SUND000962;	alification Test Report of the APU Model plane and Supplements 1, 2 and 3;
	DTX 0110				02/00/1980; Hamilton Standard Developme Valve and Control HS P/N's 738057-1 & 738 Auxiliary Power Unit; SUND000324-SUND0	8058-1 for the L-1011 Tristar Aircraft
	DTX 0111				05/29/1981; Hamilton Standard Specificatio Adjustible Orifice, L-1011 APU Surge Contr SUND000303;	on No. HS 5839: Shock Switch and roll System Revision A; SUND000295-
	DTX 0112				; Became JTX42; ;	
	DTX 0113				; APS 3000 Systems & Controls Proposal; h	HSA176594-HSA176685; Jonestrask 002

IL DEE	DATE	e 1:99-cv-00309-	GMS Document 398 Filed 02/28/2006 Page 3 of 19 DESCRIPTION OF EXHIBITS* AND WITNESSES
LF. DEF.	OFFERED	WARRED ADMITTED	DESCRIPTION OF EXHIBITS AND WITNESSES
DTX 0114			; Appendix: Derivation of Corrected Parameters; ;
0114			
DTX			; BCV Control flow chart; ;
0115			
DTX			; Graph: Figure 1: Load Compressor DP/P vs. Corrected Exit Flow; ;
0116			
DTX			; Graph: Figure 5: S/N Q22 Test Data 94% Corr Speed (T2=128 F) BCV Open to
0117			Delivery for all Points; ;
DTX			; Graph: Figure 6: S/N Q22 Test Data 100% Corr Speed (T2=60F) BCV Open to
0118	3		Delivery for all Points; ;
DTX			; Graph: Figure 7: S/N Q22 Test Data 103% Corr Speed (T2=30F) BCV Open to
0119			Delivery for all Points; ;
DTX			; Graph: Figure 13: Engine 1500 Test Data 2 Pack Mode 98% Nc (T2=85F); ;
0120)		
DTX			; Graph: Figure 14: Engine 1500 Test Data 2 Pack Mode 98% Nc (T2=85F); ;
0121			
DTX			; Became JTX41; ;
0122	2		
DTX			; Became JTX 1; ;
0123	3		
DTX			02/11/1991; Sundstrand Memo re: Air flow sensor; HSA151726; Gruebel 055
0124	4		
DTX			; Became JTX 2; ;
012			
DTX			; Became JTX 3; ;
012			
DTX			07/08/1991; Sundstrand Coordination memo re: APS 3000 load compressor airflow
012			sensor characteristics; HSB065472-HSB065478; HSC Remand 042
DTX	(; Became JTX 4; ;
012			
TX	(; Became JTX 5; ;
012			
ATD	(; Became JTX 6; ;
013			
DT>	<		02/19/1992; Sundstrand Coordination memo re: APS performance northwest BAFO;
013			HSB070016-HSB070019;

JF. DEF. O. NO.	DATE OFFERED	MARKED	/-00309-(ADMITTED	GMS Document 398 Filed 02/28/2006 Page 4 of 19 DESCRIPTION OF EXHIBITS* AND WITNESSES
DTX 0132				; Became JTX 7; ;
DTX 0133				04/22/1992; Sundstrand Coordination memo re: ICD 02/08/001 issue 2; HSB050382-HSB050389;
DTX 0134				10/12/1992; Sundstrand Coordination memo re: ECS demand signal/APS3200 performance; HSB055024;
DTX 0135				10/26/1992; Sundstrand Coordination memo re: compatibility performance; HSB055058-HSB055059;
DTX 0136				11/05/1992; Sundstrand Coordination memo re: Performance test for CEPr; HSB055088-HSB055092;
DTX 0137				11/25/1992; Sundstrand Coordination memo re: software version 0.1.3 altitude build; HSB055222-HSB055226;
DTX 0138				; Became JTX 40; ;
DTX 0139				12/15/1992; Sundstrand Coordination Memo re: Load Compressor Data; HSB035082; 233
DTX 0140				12/18/1992; Sundstrand Coordination memo re: load compressor set point; HSB070191-HSB070193;
DTX 0141				; Became JTX 36; ;
DTX 0142				01/19/1993; Sundstrand Coordination memo re: ECB Interfaces, ICD 2/08/001; HSB070258-HSB070268;
DTX 0143				; Became JTX 8; ;
DTX 0144				; Became JTX 9; ;
DTX 0145				; Became JTX 10; ;
DTX 0146	l.			; Became JTX 11; ;
DTX 0147	1			02/05/1993; Sundstrand Coordination Memo re: Load Compressor Delta P/P; HSB030430-HSB030431; 231
DTX 0148	1			; Became JTX 12; ;
DTX 0149				02/16/1993; Sundstrand Coordination memo re: ICD 2/08/001 issue 6; HSB075039-HSB075051;

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10. NO.	OFFERED		
DTX 0150			; Became JTX 35; ;
DTX 0151			; Became JTX 13; ;
DTX 0152			; Became JTX 14; ;
DTX 0153			04/08/1993; Sundstrand Coordination memo re: SW version 1.0.1 discrepancies; HSB035239-HSB035240;
DTX 0154			; Became JTX 15; ;
DTX 015			07/12/1993; Sundstrand Coordination memo re: Q21M9; Perf Qual Test; SW version 1.0.1 discrepancies; HSB035558-HSB035561;
DTX 0156			; Became JTX 16; ;
DTX 015			10/13/1993; Sundstrand Coordination memo re: Flight V0074 LC transient pressure fluctuations; HSB035779-HSB035782;
DTX 0158			11/12/1993; APIC Engineering Specification APS3200 System Requirements Specification; HSA097850-HSA097882;
DTX 015			; Became JTX 17; ;
DTX 016			12/07/1993; Sundstrand Coordination Memo re: IGV Position compensation in S/W; HSB035839; 236
DTX 016			09/30/1994; Sundstrand Coordination memo re: surge control; HSB060097-HSB060099;
DTX 016			; Became JTX 18; ;
DTX 016			; Became JTX 19; ;
DTX 016			; Became JTX 39; ;
DTX 016			; Became JTX 20; ;
DTX 016			; Became JTX 21; ;
DTX 016			; Became JTX 22; ;

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	DTX 0168				; Became JTX 23, JTX 24 and JTX 25; ;
	DTX 0169				; Became JTX 34; ;
	DTX 0170				12/01/2000; Expert Report of John Szillat; ; HSC Remand 043
	DTX 0171				; File: Critical Design Review; AS123284-AS123290; HSC Remand 021
	DTX 0172				; Handwritten memo re: Surge Control Schedule Change For GTCP 331-200; AS123265-AS123268; HSC Remand 020
	DTX 0173				; AlliedSignal Presentation re: GTC131-3(A) load compressor surge control system; RMDAS000218-RMDAS000224; HSC Remand 034
	DTX 0174				; Became JTX 26; ;
	DTX 0175				; File: Simulation of compressor; AS122993-AS123000 ; HSC Remand 009
	DTX 0176				; Data, graphs, notes re: surge systems; AS146108-AS146122;
	DTX 0177				; Handwritten memo re: information on surge system; AS146096-AS146102;
	DTX 0178				05/19/1969; Garrett Corp. memo re: Guide to patents and inventions; RMDAS000048;
	DTX 0179				04/15/1976; Airesearch Mfg. Memo re: Pneumatic Control System for F-18 Demonstration; AS199782-AS199809; HSC 004
	DTX 0180				07/06/1977; Airesearch Mfg. Co. memo re: F-18 surge valve; AS079211-AS085912;
	DTX 0181				03/03/1978; Garrett Airesearch Model GTCP331-250 Auxiliary Power Unit for the Boeing New Airplane, Preliminary Technical Proposal 31-2834 Vol. 1; ; HSC 023
	DTX 0182				03/15/1978; Airesearch MFG. memo re: F-18 surge control system development summary; AS085893-AS085912; HSC Remand 007
1 111 1111	DTX 0183				03/29/1978; Airesearch Mfg. memo re: Fooled F-18 surge control valve concept; AS085951-AS085955;
	DTX 0184				06/09/1978; Airesearch Mfg. memo re: GTCP331 surge control valve; AS201705-AS201709; HSC Remand 008
	DTX 0185				07/06/1979; Honeywell Preliminary Design Review for the Model GTCP331-200 Auxiliary Power Unit and Electric Control Unit July 23-24, 1979 excerpt; AS200041; AS200070-AS200080; HSC Remand 010

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PLF.	DEF. NO.	DATE OFFERED	MARKED	ADMITTED	DESCRIPTION OF EXHIBITS* AND WITNESSES
L	DTX 0186	OFFERED			07/06/1979; Honeywell Preliminary Design Review for the Model GTCP331-200 [] Auxiliary Power Unit and Electronic Control Unit July 23-24, 1979; AS200041- AS200490;
	DTX 0187				08/01/1979; Garrett Technical Discussions Power Section Surge Protection Airesearch Model GTCP331-250(E) APU; AS037703-AS037714;
	DTX 0188				08/11/1979; Airesearch Mfg. GTCP331-200 APU Project Development Test Outline: Surge Protection System Evaluation; AS123039-AS123043; HSC Remand 011
	DTX 0189				09/10/1979; Garrett GTCP331-200/250 APU Project Development Test Outline re: Surge Valve control; AS147056-AS147063;
	DTX 0190				11/26/1979; Garrett drawings re: Model GTCP331-200 Surge System Requirements; AS122953-AS122956;
	DTX 0191				12/06/1979; Garrett Coordination memo re: L/C surge control; AS123106-AS123116;
	DTX 0192	-			12/19/1979; Garrett presentation re: model GTCP331-200 surge system review; AS199763-AS199778; HSC Remand 012
	DTX 0193				12/28/1979; Garrett Coordination memo re: 331-200 driven compressor maps; AS147278-AS147296; HSC Remand 014
	DTX 0194				02/15/1980; Garrett Procurement Specification for the Electronic Control Box (ECB) P/N 2117402-1 used with Airesearch Model GTCP331-250 [E] Auxiliary Power Unit; ;
	DTX 0195				03/04/1980; File: Boeing SCV schedule; calculation of schedule for feedback actuator; AS123053-AS123057; HSC Remand 015
Section 1	DTX 0196				04/01/1980; Garrett memo re: GTCP331-200/250 IGV position loop definition; AS122946-AS122948;
	DTX 0197				04/17/1980; Airesearch memo re: update on the GTCP331 closed loop surge control testing; AS146792-AS146819; HSC Remand 017
	DTX 0198				01/28/1981; Garrett memo re: GTC-200 (F-18 APU) surge control system and MASC; AS086013-AS086026; HSC Remand 018
	DTX 0199				05/14/1981; Garrett Technical Description of the Electric Control Unit for the GTCP331-200(A) APU P/N 2117342-1; AS022251-AS022318;
	DTX 0200				12/01/1981; File: GTCP 331-250 comp map; AS147274-AS147277; HSC Remand 016
	DTX 020				12/02/1981; Garrett Technical Description of Electronic Control Unit P/N 2117342-1 for the GTCP331-200(A) Auxiliary Power Unit; AS025997-AS026067; HSC Remand 019
	DTX 0202				12/16/1983; Garrett Memo re: Test results of GTCP85-1000 diffuser flow sensor; RMDAS000070-RMDAS000091; HSC Remand 022
	DTX 020				05/01/1985; Garrett memo re: selection and operation of the GTC131 surge control system; RMDAS000092-RMDAS000103; HSC Remand 023

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NO. N	10.	OFFERED			
	TX 204				09/20/1985; Garrett memo re: GTCP36-300 surge control system dynamic analysis and design; RMDAS000225-RMDAS000252; HSC Remand 027
	TX 205				12/06/1985; Handwritten notes with document re: GTCP131 diffuser meeting; RMDAS000215-RMDAS000217; HSC Remand 033
	TX 206				07/07/1986; Garrett presentation re: Garrett GTCP331-200 APU for the B767-400 Aircraft; AS027541-AS027572; HSC Remand 024
	TX 207				; Became JTX 38; ;
1	TX 208				09/19/1988; AlliedSignal Functional Description for the GTCP331-350[C] Auxiliary Power Unit/Subsystem and Electronic Control Box; ;
1	TX 209				04/28/1989; File: flow sensor, containing coordination memos re: flow sensor; AS011043-AS011060;
	TX 210	111111111111111111111111111111111111111			05/04/1989; AlliedSignal GAPD/Turbomecca coordination memo re: selection of static pressure pickup for surge control; AS009522-AS009524; HSC Remand 025
	TX 211				; AlliedSignal Employees Guide to Patents and Inventions; AS183527-AS183573
	TX 212				12/05/1996; AlliedSignal Procurement Specification for the GTCP331-350[C] Auxiliary Power Unit Load Compressor Part Number 3804007-ALL; AS010853-AS010949;
)TX 213				; 331-350 design notebooks (production ordered by the Court); ;
)TX)214				02/01/1990; Coordination memo re: load compressor surge control system; RMDAS000480-RMDAS000483;
	OTX 0215				1927; German Article: Ackert, Gas Dynamics and English Translation; SUND004899-SUND004952;
	OTX 0216				09/00/1980; Article: Ashjaee, Straight-Walled, Two-Dimensional Diffusers - Transitory Stall and Peak Pressure Recovery; SUND004953-SUND004960;
1 1	OTX 0217				03/00/1977; Article: Baghdadi, The effect of rotor blade wakes on Centrifugal Compressor Diffuser Performance - A Comparative Experiment; SUND007981-SUND007988;
	OTX 0218				06/00/1981; Article: Bardina, A Prediction Method for Planar Diffuser Flows; SUND005826-SUND005832;
	OTX 0219				1978; Excerpt from Mark's Standard Handbook for Mechanical Engineers, Baumeister; SUND003930-SUND003933;
	OTX 0220				1958; Excerpts from Mechanical Engineers' Handbook, Baumeister; ;
	OTX 0221				1971; Excerpt from Fluid Meters Their Theory and Application: Bean, The Classification of Fluid Meters; SUND006244-SUND006252;

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110.	DTX 0222	OI I BABB			; Boyce, Tutorial Session on Practical Approach to Surge and Surge Control Systems; SUND003854-SUND003883;
,	DTX				05/10/1992; Article: Bonciani, Unsteady Flow Phenomena in an Industrial Centrifugal
	0223				Compressor Stage; SUND004432-SUND004443;
	DTX 0224				06/18/1914; Article: Buckingham, On Physically Similar Systems; Illustrations of the Use of Dimensial Equations; SUND004964-SUND004995;
	DTX 0225				10/00/1981; Standard University Report - Childs, A Computational Method for Subsonic Compressible Flow in Diffusers; SUND004996-SUND005132;
	DTX 0226				1979; The American Society of Mechanical Engineers Article: Conrad, The Calculation of Performance Maps for Centrifugal Compressors with Vane-Island Diffusers; SUND006128-SUND006143;
	DTX 0227				1971; The American Society of Mechanical Engineers Article: Copp, NACA Research Memorandum, Effects of Inlet Wall contour on the Pressure Recovery; SUND006144-SUND006171;
	DTX 0228				03/25/1974; Creare Science and Technology Technical Note: Dean, The Fluid Dynamic Design of Advanced Centrifugal Compressors; SUND005160-SUND005259;
	DTX 0229				02/00/1970; U.S. Army Aviation Materiel Laboratories Technical Report 69-76: Dean, Fluid Mechanics Analysis of High-Pressure-Ratio Centrifugal Compressor Data; SUND006437-SUND007011;
	DTX 0230				1984; Russian Article: Deych, Gidrogazodinamika and English translation; SUND005780;
	DTX 0231				04/28/1972; Article: Deich, Gas Dynamics of Diffusers and Exhaust Ducts of Turbomachines; SUND005296-SUND005314;
	DTX 0232				1978; Excerpt from Fluid Mechanics Thermodynamics of Turbomachinery, Dixon; SUND007948-SUND007964;
	DTX 0233				03/00/1979; NASA Report: Dolan, Design, Development, and Test of a Laster Velocimeter for a Small 8:1 Pressure Ratio Centrifugal Compressor; SUND005326-SUND005333;
	DTX 0234	1			; Became JTX 27; ;
1	DTX 0235				05/00/1968; Article: Fallin, Controls for an Axial Turboblower; HSC100923-HSC100926;
	DTX 0236				10/00/1977; Article: Fehervari, Asymmetric Algorithm Tightens Compressor Surge Control; HSC100920-HSC100922;
	DTX 0237				05/06/1986; Article from The Third International Conference on Turbocharging and Turbocharges: Fisher, Development of Vaned Diffuser Compressors for Heavy Duty Diesel Engine Turbochargers; SUND004222-SUND004233;
	DTX 0238				03/00/1981; Journal Mechanical Engineering Science: Fisher, A study of Diffuser/Rotor Interaction in a Centrifugal Compressor; SUND004234-SUND004241;
	DTX 0239				12/10/1909; Article: Gibson, On the Flow of Water through Pipes and Passages having Converging or Diverging Boundaries; SUND005913-SUND005925

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	DTX 0240				1972; Excerpt from NASA Turbine Design and Application Volume 1, Glassman; SUND003940-SUND003946;
	DTX 0241				1996; Excerpt from Genesis of the Jet, Frank Whittle and the Invention of the Jet, Golley; SUND005958-SUND005960;
	DTX 0242				11/00/1970; Excerpt from Mechanics and Thermodynamics of Propulsion, Chemical Rockets, Expansion in Nozzles, Hill; SUND003951-SUND003956;
	DTX 0243				1958; Article: Horlock, Fluid Mechanics and Thermodynamics of Axial Compressors, Some Concepts; SUND006273-SUND006303;
	DTX 0244				1956; Article: Howarth, Modern Developments in the Fluid Dynamics High Speed Flow; SUND003541-SUND003547
	DTX 0245				2001; Excerpt from Jane's Civil Aircraft - Lockheed L-1011 Tristar, Aboulafia; SUND005961-SUND005962;
	DTX 0246				1984; Article: Jansen, Improvements in Surge Margin Centrifugal Compressors; SUND003408-SUND003424;
	DTX 0247				12/00/1976; Creare Technical Note: Japikse, The development and Design of High Performance Turbomachinery; SUND006304-SUND006342;
	DTX 0248				07/00/1979; Engineering for Power Article: Japikse, Annular Diffuser Performance for an Automotive Gas Turbine; SUND005537-SUND005551;
	DTX 0249				1982; Article: Japikse, Advanced Diffusion Levels in Turbocharger Compressors and Component Matching; SUND004570-SUND004583;
	DTX 0250				1984; Turbomachinery Diffuser Design Technology, Japikse; ;
	DTX 0251				06/08/1986; ASME Article: Japikse, Optimization of Industrial Centrifugal Compressors Part 6A: Studies in Component in Performance - Eight Design Cases from 1972 to 1982; SUND004526-SUND004541;
	DTX 0252				06/08/1986; ASME Article: Japikse, Optimization of Industrial Centrifugal Compressors Part 6B: Studies in Component in Performance - Eight Design Cases from 1972 to 1982; SUND004542-SUND004559;
	DTX 0253				1996; Centrifugal Compressor Design and Performance, Japikse; ;
	DTX 0254				1997; Introduction to Turbomachinery, Japikse; ;
******	DTX 0255				1998; Diffuser Design Technology, Japikse; ;
	DTX 0256				2003; Axial and Radial Turbines, Moustapha; ;
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